

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2002129273
PUBLICATION DATE : 09-05-02

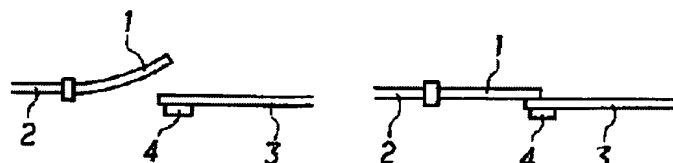
APPLICATION DATE : 25-09-00
APPLICATION NUMBER : 2000290220

APPLICANT : NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL & TECHNOLOGY;

INVENTOR : MOTOJIMA FUMIHIKO;

INT.CL. : C22C 30/00 C22C 19/00 H01F 1/147 //
H02N 10/00 C22K 1:00

TITLE : FERROMAGNETIC SHAPE MEMORY
ALLOY AND ACTUATOR USING THE
SAME



ABSTRACT : PROBLEM TO BE SOLVED: To provide a ferromagnetic shape memory alloy excellent in ductility, having ferromagnetic properties and martensitic transformation, and to provide an actuator using the same.

SOLUTION: This ferromagnetic shape memory alloy has a composition containing, by atom, 5 to 70% Co, 5 to 70% Ni and 5 to 50% Al, and the balance inevitable impurities and has a single phase structure composed of a β phase with a B2 structure or a dual phase structure composed of a γ phase with an fcc structure and a β phase with a B2 structure.

COPYRIGHT: (C)2002,JPO